

Harry J. Dowsett
U.S. Geological Survey
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EDUCATION

Brown University, Providence, RI

Ph.D. in Geological Sciences, May 1988

Dissertation: "A Biochronological Model for Correlation of Pliocene Marine Sequences: Application of the Graphic Correlation Method"

Dissertation advisors: John Imbrie, Ph.D., Warren Prell, Ph.D.

The George Washington University, Washington, DC

M.S. in Geology, May 1984

Master's thesis: "Documentation of the Santonian-Campanian and Austinian-Tayloran Stage Boundaries in Mississippi and Alabama using Calcareous Microfossils"

Long Island University, Greenvale, NY

B.A. in Geology, May 1981

EXPERIENCE

US Geological Survey, Reston, VA

Project Chief, 2003-Present, **Pliocene Research, Interpretation and Synoptic Mapping / Global Warming Analysis**

Associate Project Chief, 2004-2006, **Abrupt Climate Change in Eastern US**

Associate Project Chief, 1999-2003, **Gulf of Mexico Climate and Environmental History**

Project Chief, 1990-1995, **Pliocene Research, Interpretation and Synoptic Mapping**

Research Geologist, 1988-Present

Research Associate (National Research Council), 1987-1988

MicroPress Inc., Flushing, NY

Journal Editor, Micropaleontology, 2009-Present

National Science Foundation, Balston, VA

Associate Director, Paleoclimate Program, 2002-2003

George Mason University, Fairfax, VA

Adjunct Professor of Geology, 1988-Present

Long Island University, Greenvale, NY

Adjunct Professor of Geology, 1987-1992

Brown University, Providence, RI

Instructor, 1986-1987

AWARDS

Long Island University, Honors in Geology (1981), Senior Thesis Award (1981)

Long Island University, *Summa Cum Laude*, BA Geology (1981)

Brown University Research Fellowship (1984-1987)

Cushman Foundation Grant, Brown University (1986)

National Research Council Associateship (1987-1988)

Paleontology & Stratigraphy Branch Special Achievement Award (1990)

Global Change / Hazards Team Award (1996)

Department of Interior 10 and 20 year Honor (1997, 2007)

STAR EESPT (2003, 2004)

Letter of Recognition from *National Science Foundation* (2002)

Letter of commendation from *National Science Foundation* (2003)

EDITED VOLUMES

Pliocene Climates- *Quaternary Science Reviews*, 10(2/3), 1991

The Pliocene. A vision of Earth in the late 21st century?- *Philosophical Transaction of the Royal Society A*, 367(1886), 2009

SELECTED PUBLICATIONS (5 Recent)

Dowsett, H.J., Chandler, M.A. and Robinson, M.M., 2009. Surface temperatures of the Mid-Pliocene North Atlantic Ocean: implications for future climate. *Philosophical Transactions of the Royal Society, A*, 367: 69-84.

Dowsett, H.J. and Robinson, M.M., 2009. Mid-Pliocene equatorial Pacific sea surface temperature reconstruction: a multi-proxy perspective. *Philosophical Transactions of the Royal Society, A*, 367: 109-125.

Dowsett, H.J., Robinson, M.M. and Foley, K.M., 2009. Pliocene three-dimensional global ocean temperature reconstruction. *Climate of the Past*, 5(4): 769-783.

Robinson, M.M., **Dowsett**, H.J., Dwyer, G.S. and Lawrence, K.T., 2008. Reevaluation of mid-Pliocene North Atlantic sea surface temperatures. *Paleoceanography* 23, PA3213, doi:10.1029/2008PA001608.

Dowsett, H.J., 2007. The PRISM palaeoclimate reconstruction and Pliocene sea-surface temperature. In: M. Williams, A.M. Haywood, J. Gregory and D.N. Schmidt (Editors), *Deep-time perspectives on climate change: marrying the signal from computer models and biological proxies*. Micropalaeontological Society (Special Publication), Geological Society of London, London, UK, pp. 459-480.

OTHER SIGNIFICANT PUBLICATIONS (5)

Dowsett, H.J. and Cronin, T.M., 1990. High eustatic sea level during the middle Pliocene: Evidence from the southeastern U.S. Atlantic Coastal Plain. *Geology*, 18(5): 435-438.

Dowsett, H.J., Cronin, T.M., Poore, R.Z., Thompson, R.S., Whatley, R.C. and Wood, A.M., 1992. Micropaleontological Evidence for Increased Meridional Heat Transport in the North Atlantic Ocean During the Pliocene. *Science*, 258(5085): 1133-1135.

Dowsett, H., Thompson, R., Barron, J., Cronin, T., Fleming, F., Ishman, S., Poore, R., Willard, D. and Holtz Jr, T., 1994. Joint investigations of the Middle Pliocene climate I: PRISM paleoenvironmental reconstructions. *Global and Planetary Change*, 9(3-4): 169-195.

Dowsett, H.J., Barron, J. and Poore, H.R., 1996. Middle Pliocene sea surface temperatures: a global reconstruction *Marine Micropaleontology*, 27: 13-25.

Dowsett, H.J., Chandler, M.A., Cronin, T.M. and Dwyer, G.S., 2005. Middle Pliocene sea surface temperature variability. *Paleoceanography*, 20, PA2014, 1-8.

PROFESSIONAL MEMBERSHIP

American Geophysical Union, European Geosciences Union, The Micropalaeontological Society, Cushman Society, Sigma Xi

SYNERGISTIC ACTIVITIES

Editor- *Micropaleontology*

Associate Editor- *Stratigraphy*

Mendenhall Fellowship Research Advisor

Reviewer for: *Paleoceanography*, *Science*, *Nature*, *Geology*, *Marine Micropaleontology*, *NSF*, *NERC*, *ACS*,

Committee Chair/Advisor/Committee Member for Theses/Dissertations/Post-Docs at: *George Mason University*, *Alaska Pacific University*, *Queens College*, *George Washington University*, *University of Leeds*, *Southern Illinois University*

RECENT COLLABORATORS

Mark Chandler, Tom Cronin, Gary Dwyer, Kevin Foley, Alan Haywood, Paul Hearty, Tim Herbert, Kira Lawrence, Dan Lunt, Bette Otto-Bliesner, Maureen Raymo, Marci Robinson, Ulrich Salzmann, Gavin Schmidt, Linda Sohl, Paul Valdes, Debra Willard